



Healthy Housing Solutions Inc.

HEALTHY HOME EVALUATOR



Funding for the development of this course was provided by the U.S. Department of Housing and Urban Development, Office of Lead Hazard Control and Healthy Housing.

Healthy Housing Solutions Inc.

Trainer Preparation Notes

Throughout the course, look for hidden slides that have instructional information for you.

Please see all of the information in the speaker notes for this slide.

Please note that even if you alter any part of this course, you must:

- 1. Retain the acknowledgement of funding from the U.S Department of Housing & Urban Development that is listed on the first slide in this module,
- 2. Retain any photo credits for photos that you use,
- 3. Retain the slide footer that acknowledges the National Healthy Homes Training Center and Network and Healthy Housing Solutions.

NOTE: This is a hidden slide.

It is provided for trainer reference only and does not display as part of the slideshow.

Overview and Introductions

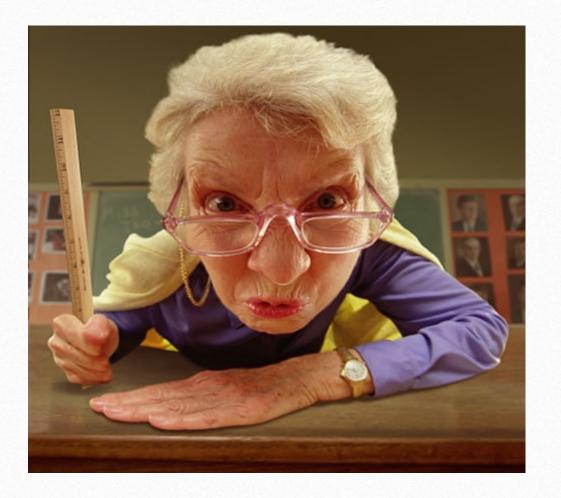
Course Logistics







About your Trainer...







About you...

- Name
- Organization / Company
- Currently located
- Healthy housing or indoor air quality experience







THE BIGGER PICTURE

This is the story of Grandma's house . . .





And this is the story of how mold triggered <u>Grandma's</u> and Red's asthma symptoms . . .



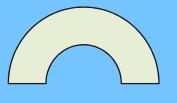




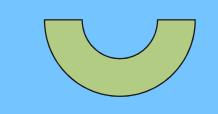
Moisture Climate Ventilation Control Maintenance Safety **Healthynteome** performance Safety **Pests** Sanitation Contaminants

HEALTHY HOMES

Areas you already understand



Maybe new to you







New Focus - Vision Test





















(A multi-purpose cleaner that cleans and disinfects)

- 1 tablespoon soap (flakes, powder, or liquid) not detergent
- . 1/2 cup of white distilled vinegar
- 12 ounces (1 ½ cups) water

Add the ingredients to a clean 16-ounce spray bottle. Put the cap on and shake well.



ECOLOGY WWW.ecy.wa.gov/toxicfreetips

Cost per ounce: This recipe: \$.01 Commercial: \$.12

Tub & Sink Greener Cleaner

www.ecy.wa.gov/toxicfreetips

Ecology Publication No. 09-04-017, rev. August 2012

If you need a format for the visually impaired, call 360-407-6700.

Persons with hearing lass, call 711. Persons with a speech disability, call 877-833-6341.

· Baking soda

Tips

· Liquid soap (not detergent). Castile or Murphy's Oil Soap are good options.

Use baking soda in place of scouring powder. Sprinkle it liberally on porcelain fixtures and rub with a wet rag. Add a little soap to the rag for more cleaning power. Rinse will to avoid leaving a hazy film. (Baking soda won't scratch the porcelain.



ECOLOGY WWW.ecy, wa.gov/toxicfreetips safer and more

Baking soda and commercial scrubs cost about the same, but the baking soda is usually environmentally friendly

distilled vinegar.

Window & Mirror Greener Cleaner

- ¼ cup white distilled vinegar
- · 16 ounces of water

Pour ingredients into a clean spray bottle. Spray on surface. Rub with a lint-free rag, such as a diaper or sheets of newspaper.



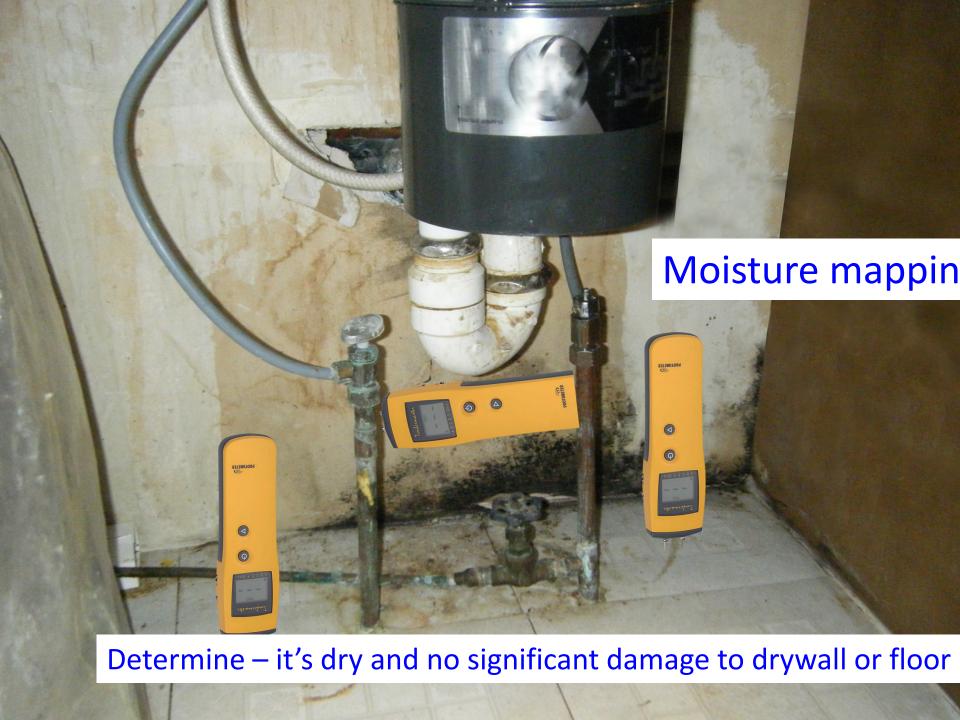


www.ecy.wa.gov/toxicfreetips

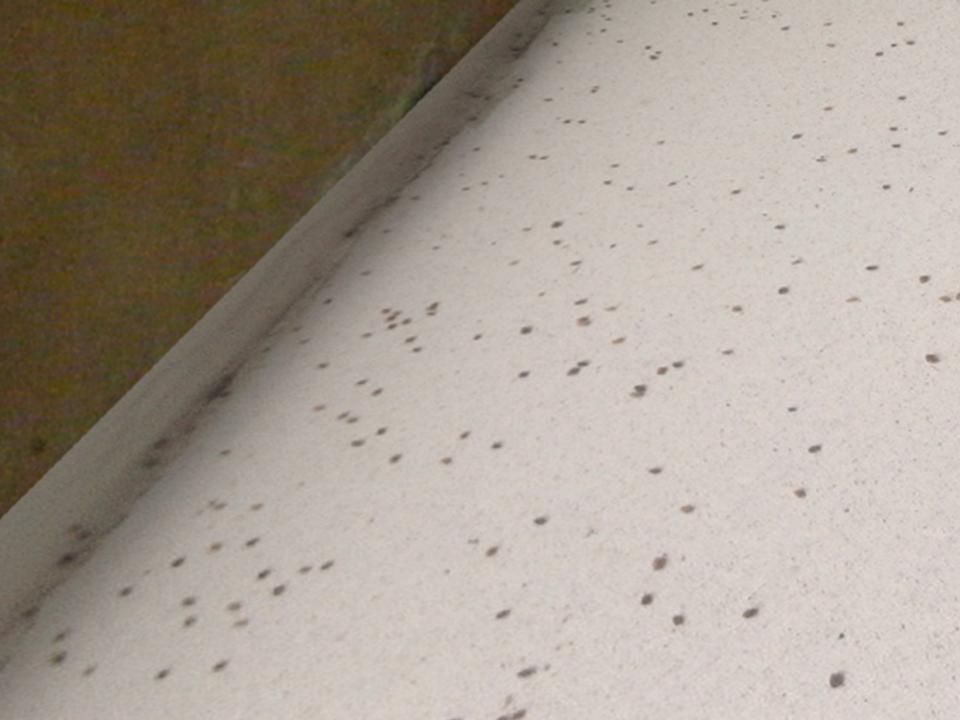
Cost per ounce: This recipe: \$.08 Commercial: \$.12





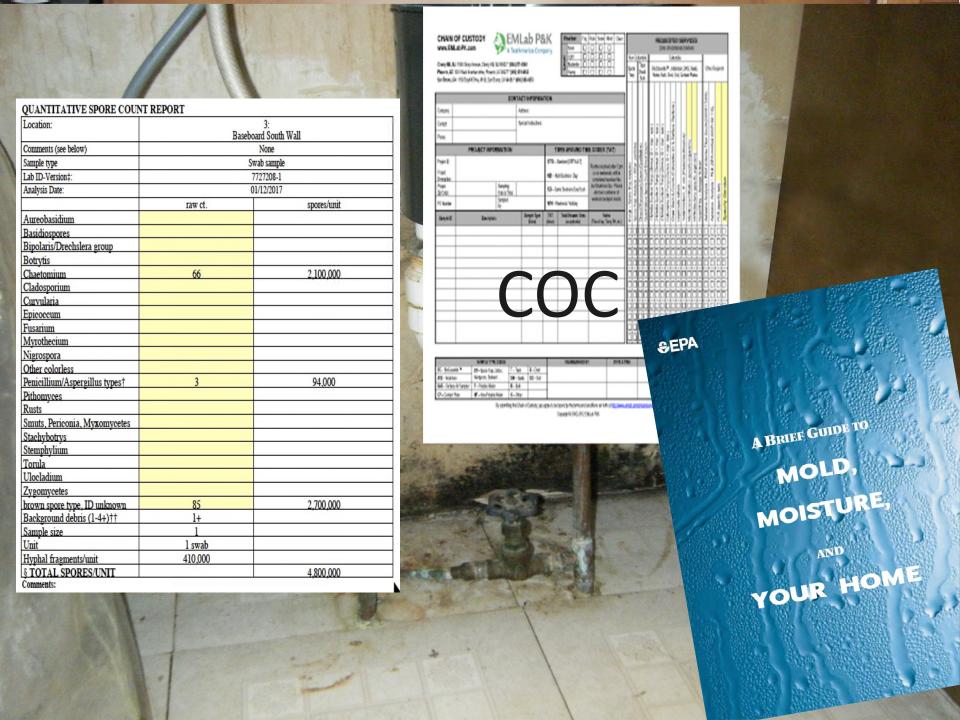






- If it's less than 10 sq ft. homeowner can clean it up. Following EPA guidelines.
- IF larger Hire a contractor to test suspect conditions,
 HHE can perform the sample**







At the end of this course, you are be able to:



1. Apply good practices in working with residents



2. Identify health-related hazards in a home



3. Prioritizing hazards



4. Use tools to measure conditions



5. Identify and communicate solutions





How you will learn in this course







WHY DO A HEALTHY HOMES EVALUATION?

What motivates you to do this?





HOUSING HAZARDS = HEALTH PROBLEMS

For example:

- More than 30 million homes have hazards that can result in health problems,
- More than 20 million housing units have a lead-based paint hazard, and
- More than 6.8 million homes have radon exposures above the EPA recommended action level.

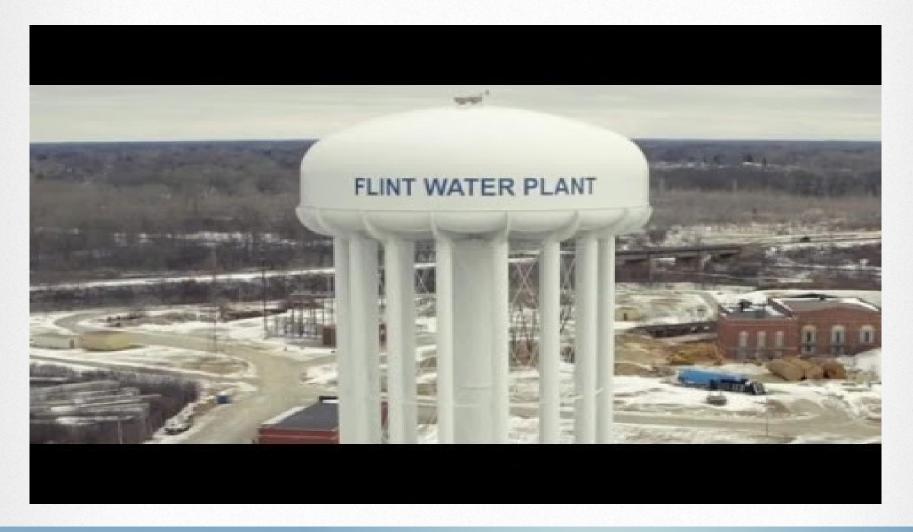
Washington Post article 4/2013







HEALTH PROBLEMS = HUMAN SUFFERING









HEALTHCARE COSTS AND HOUSING HAZARDS

- \$1.4 billion cost for preventable hospitalizations for asthma in 2004.
- Injuries occurring at home result in 4 million ED visits and 70,000 hospital admissions.
- Preventing lead exposure among children saves \$110 to \$319 billion dollars annually.

One study found that the per visit cost for patients with asthma who were admitted to the hospital was nearly \$6,000.

Health insurers are starting to realize the scope of these costs . . .





HEALTHY HOMES EVALUATION AS A SERVICE

How do you plan to offer healthy homes evaluations as a service?





What are your intentions?

More important that we understand and agree on the **intent** of an activity than that we always agree on the **terminology.**

It's all about 3 things:

- People
- Buildings
- Identifying hazards







Terminology Related to People:

- Resident
- Occupant
- Owner / Renter
- Client

- Interview
- Assessment
- Evaluation

Others?

What's going on with the person?







Terminology Related to Buildings:

- Building
- Home
- Healthy
- Environmental
- IAQ
- Dwelling

- Inspection
- Assessment
- Tools
- Testing
- Review
- Evaluation

What's going on with the building?







Terminology Related to Identifying Hazards:

Issues

•

Defects

•

Concerns

•

Conditions

•

Hazards

Exposure

•

What are the hazards in the house?







KEY STEPS

Key Steps in a Healthy Home Evaluation





KEY STEPS

1. Start with the resident





2. Visual (qualitative) identification of hazards









3. Support visual identification with quantitative measurement (if necessary)



4. Justify and prioritize hazards



1. ___

2. ___

3.



5. Identify interventions to address hazards





6. Communicate with the resident







